

For Research Use Only

# APC-conjugated CD68 Recombinant monoclonal antibody

Catalog Number: APC-83014-5



## Basic Information

Catalog Number:

APC-83014-5

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0787

GenBank Accession Number:

NM\_001291058.1

GeneID (NCBI):

12514

UNIPROT ID:

P31996-1

Full Name:

CD68 antigen

Calculated MW:

35 kDa

Observed MW:

100-120 kDa

Purification Method:

Protein A purification

CloneNo.:

230504G10

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

mouse, rat

Positive Controls:

IF-P: mouse spleen tissue,

## Background Information

Mouse CD68 (also known as macrophage) is a type I transmembrane glycoprotein that is highly and specifically expressed by mouse tissue macrophages, and to a lesser extent by dendritic cells. It belongs to the lysosomal/endosomal-associated membrane glycoprotein (LAMP) family and primarily localizes to lysosomes and endosomes with a smaller fraction circulating to the cell surface. CD68 is also a member of the scavenger receptor family. It may play a role in phagocytic activities of tissue macrophages.

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

For technical support and original validation data for this product please contact:

T: 4006900926

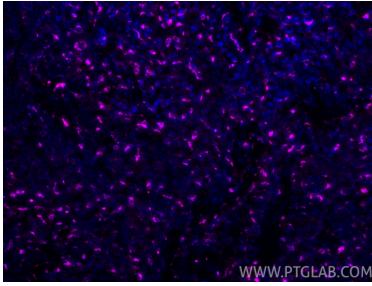
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

---

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse spleen tissue using APC CD68 antibody (APC-83014-5, Clone: 230504G10) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).